



# आरत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित

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(Separate paging is given to this Part in order that it may be filed as a separate compilation)

### भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

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Calcutta, the 8th January 1983

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The States of Andhra Pradesh, Karanataka, Kerala, Tamil-nadu, and the Union Territories of Pondicherry, Laccadive, Minicay and Amindivi Islands. 1404/Cal/82. Wrede Ky. Power machine operating by means of temperature difference.

Telegraphic address : "PATENTOFIS".

Patent Office. (Head Office), 214, Acharya Jagadish Bose Road, Calcutta-700 017.

### Rest of India.

Telegraphic address: "PATENTS".

1-407 GI/82

(15)

1408/Cal/82. Krone GmbH. A device for making a solderless, non-screwed and non-stripped Isa-plus-contact for conductor wires, especially for aluminium conductors and multiwire copper conductors having different wire sizes.

6th December, 1982

1409/Cal/82. Hoechst Aktiengesellschaft. Water-soluble heavy metal complex azo compounds, processes for their preparation, and their use as dyestuffs.

1410/Cal/82. Aluminium Pechiney. Floating cathode electrolytes based on electrically conductive refractory material, for the production of aluminium by electrolysis.

1411/Cal/82. F. L. Smidth & Co. A/S. Bridge scraper for direct material feeding.

1412/Cal/82. F. L. Smidth & Co. A/S. Vertical roller mill. (25th Jan., 1982).

1413/Cal/82. CPC International Inc. A process for producing a syrup of high dextrose. (Divisional date 1st Sep., 1979).

1414/Cal/82. (1) Mitsubishi Jukogyo Kabushiki Kaisha and (2) Mitsubishi Mining & Cement Co. Ltd. Calcining apparatus for powdery materials.

1415/Cal/82. (1) Fred W. Hottenroth, and (2) Fred W. Hottenroth. Compact stove for emergency and other uses.

7th December, 1982

1416/Cal/82. Orissa Cement Limited. Method of Manufacturing portland pozzolanic cement.

1417/Cal/82. Orissa Cement Limited. Method of manufacturing portland blast furnace slag cement.

1418/Cal/82. Meiji Seika Kaisha, Ltd. Processes for the production of 1-oxadethia-cephem derivatives.

1419/Cal/82. Harbans Lal Malhotra & Sons Ltd. Safety razors.

1420/Cal/82. Friedrich Muller. Storage.

1421/Cal/82. AE PLC. Machine tools. (7th December, 1981).

1422/Cal/82. Zenon M. Sosnowski. Method for extracting propolis and water soluble dry propolis powder obtained thereby and cosmetic and pharmaceutical preparations containing same.

8th December, 1982

1423/Cal/82. The Babcock & Wilcox Company. Steam generator on-line efficiency monitor.

1424/Cal/82. McConway & Torley Corporation. Improved knuckles for railway couplers.

1425/Cal/82. Olin Corporation. Wrapper for smoking articles and method.

1426/Cal/82. Hoechst Aktiengesellschaft. Catalyst mixture and process for making 1, 2-dichloroethane.

1427/Cal/82. Linde Aktiengesellschaft. Process for the removal of acid gases from gas mixtures.

1428/Cal/82. Richter Gedeon Vegyeszeti Gyar R.T. Apparatus for transfer of liquid and for removal of gases separating from liquids.

#### ALTERATION OF DATE

150886 } Ante dated to 19th May 1975.  
183/Del/80 }

150888 } Ante dated to 20th June 1977.  
153/Del/81 }

150898 } Ante dated to 16th May 1978.  
731/Del/80 }

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CLASS 150G.

150877.

Int. Cl. F 16 d 1/06.

#### SHAFT AND UNIVERSAL JOINT MEMBER ASSEMBLY AND A METHOD OF MAKING THE SAME.

Applicants : GKN TRANSMISSIONS LIMITED, OF CHESTER ROAD, ERDINGTON, BIRMINGHAM B24 0RB, WEST MIDLANDS, ENGLAND.

Inventors : (1) LESLIE GEORGE FISHER, AND (2) BERTRAM JOSEPH PALMER.

Application No. 922/Cal/77 filed June 20, 1977.

Convention date 24th June, 1976 (26244/76), 15th Feb., 1977 (06354/77) 30th March, 1977 (13352/77), U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

10 Claims.

A method of making an assembly of a shaft member and a universal joint member comprising the steps of :—(a) providing a shaft member of tubular form and a universal joint member with a part which interfits with the shaft member, (b) forming at least one of said parts to define in combination with the other of said parts, a cavity for receiving an adhesive substance, said cavity having first and second openings communicating with it at spaced positions, (c) fitting such shaft member and the universal joint member together (d) injecting the adhesive substance through the first said opening into the cavity, thus expelling air from the cavity until the cavity is full of the adhesive substance, (e) subjecting the assembly to treatment to cure the adhesive substance and establish a bond between the shaft and universal joint member.

(Compl. Specn. 17 Pages, Drg. 3 Sheets.)

CLASS 104P.

150878.

5 Claims.

Int. Cl. B 29 h 5/02.

## TIRE CURING SYSTEM.

Applicants : NRM CORPORATION OF 3200 GIL-CHRIST ROAD, P.O. BOX 6338, AKRON, OHIO 44312, UNITED STATES OF AMERICA.

Inventors : (1) GERALD JOSEPH YUHAS, (2) LEONARD GERALD TURK.

Application No. 631/Cal/78 filed June 9, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

19 Claims.

A tire curing system comprising a press and a separable rim post inflator, characterized in that said press comprises a bottom mold, a movable top mold that is movable laterally between said bottom mold and at least one rim of said post inflator, a stripping chuck in said movable top mold for holding the tire after stripping it from the molds for movement with said movable top mold, and means for lowering said stripping chuck while holding the tire when said movable top mold and said post inflator rim are vertically aligned to place the tire in said post inflator without any lateral momentum.

(Compl. Specn. 19 Pages. Drg. 24 Sheets.)

CLASS 198B

150879.

Int. Cl. B 03 d 1/02.

## A PROCESS FOR THE SEPARATION OF PHOSPHATE AND CARBONATE MINERALS FROM EACH OTHER BY FROTH-FLOTATING.

Applicants : OUTOKUMPU OY, OF TOOLONKATU 4, SF-00100 HELSINKI 10, FINLAND.

Inventors : (1) VAINO VILJO HEIKKI HINTIKKA, AND (2) KAARLO MATTI JUHANI SAARI.

Application No. 1261/Cal/78 filed November 22, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

3 Claims. No drawings.

A process for the separate recovery of phosphate and carbonate minerals from finely-divided phosphate-carbonate-silicate ores or concentrates with a carbonate to phosphate ratio of over 1, in which an anionic collector agent is added to an aqueous slurry of these ores and concentrates and the slurry is if desired exposed to froth-flootation in order to separate a silicate-bearing residue from a combined phosphate-carbonate concentrate, characterized in that an aqueous slurry to which an anionic collector agent has been added and which has been froth-floated is treated with sulfur dioxide and/or carbon dioxide in order to inactivate the collector agent coatings on the surfaces of the carbonate minerals, whereafter the slurry is froth-floated in order to obtain a separate recovery of a phosphate concentrate and a carbonate concentrate.

(Compl. Specn. 12 Pages. Drg. Nil.)

CLASS 148H &amp; 152E.

150880.

Int. Cl. C 09 k 3/00.

## A PHOTOPOLYMERIZABLE COMPOSITION.

Applicants : MINNESOTA MINING AND MANUFACTURING COMPANY, OF 3M CENTER, SAINT PAUL, MINNESOTA 55101, UNITED STATES OF AMERICA.

Inventors : (1) GEORGE HENRY SMITH, (2) PETER MARTIN OLOFSON.

Application No. 116/Cal/79 filed February 7, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

A photopolymerizable composition comprising : (a) organic material having epoxide functionality such as herein described, and (b) an amount of 0.02 percent to 1.5 percent by weight of the complex salt such as herein described based on the weight of said organic material.

(Compl. Specn. 22 Pages. Drg. 1 Sheet.)

CLASS 47B, C &amp; 84A.

150881.

Int. Cl. C101 9/00, 9/04, 9/06.

## A SYNERGISTICALLY COMBINED COAL LIQUEFACTION—GASIFICATION PROCESS TO PROVIDE AN ELEVATED THERMAL EFFICIENCY IN THE PRODUCTION OF SYNTHESIS GAS.

Applicants : GULF OIL CORPORATION, OF P.O. BOX 1166, PITTSBURGH, PENNSYLVANIA 15230, UNITED STATES OF AMERICA.

Inventor : BRUCE KARL SCHMID.

Application No. 371/Cal/79 filed April 16, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

12 Claims.

A synergistically combined coal liquefaction-gasification process to provide an elevated thermal efficiency in the production of synthesis gas comprising passing mineral-containing bituminous feed coal, hydrogen, recycle dissolved liquid solvent, recycle normally solid dissolved coal and recycle mineral residue to a coal liquefaction zone to dissolve hydrocarbonaceous material from mineral residue and to hydrocrack said hydrocarbonaceous material to produce a mixture comprising hydrocarbon gases, dissolved liquid, normally solid dissolved coal and suspended mineral residue; separating distillate liquid and hydrocarbon gases from a slurry comprising said normally solid dissolved coal, solvent and mineral residue; recycling to said liquefaction zone a portion of said slurry; passing the remainder of said slurry to distillation means including a vacuum distillation tower for distillation, the slurry bottoms from said vacuum distillation tower comprising a gasifier feed slurry; said gasifier feed slurry comprising substantially the entire 850°F f normally solid dissolved coal and mineral residue yield of said liquefaction zone substantially without normally liquid coal and hydrocarbon gases; passing said gasifier feed slurry to a gasification zone; said gasifier feed slurry comprising substantially the entire hydrocarbonaceous material therein to synthesis gas; converting a portion of said synthesis gas in a shift reaction to gaseous hydrogen-rich stream and passing said hydrogen-rich stream to said liquefaction zone to satisfy the process hydrogen requirement thereof; the amount of 850°F f normally solid dissolved coal in said gasifier feed slurry being in excess of the amount of normally solid dissolved coal necessary to satisfy the process hydrogen requirement of said liquefaction zone; the amount of normally solid dissolved coal in said gasifier slurry in excess of the amount necessary to satisfy the process hydrogen requirement increases the thermal efficiency of said process by producing an excess amount of synthesis gas for burning as fuel in said process and is in the range as defined by the formula

$$R = 13f(8-0)-3 \quad (Fe-1.5)$$

where

Fe=iron content of feed coal in weight percent  
O=oxygen content of feed coal in weight percent  
R=range of the yields of 850°F f dissolved coal in

excess of the yield of 850°F f dissolved coal necessary to satisfy the process hydrogen requirement, where the yields are expressed in weight percent of dry feed coal; the combustion heating value of said excess amount of synthesis gas being between 5 and 100 percent of the total energy requirement of said process; and said excess amount of synthesis gas as fuel within said process.

(Compl. Specn. 54 Pages. Drg. 1 Sheet.)

CLASS 40F &amp; 152E.

150882.

Int. Cl. C 08 g 41/02; C 08 g 51/54.

PROCESS FOR PREPARING LIQUID COMPOSITION CONTAINING COPPER COMPLEXES FOR LIGHT AND HEAT STABILIZATION OF POLYAMIDES.

Applicants : SNIA VISCOSA SOCIETA' NAZIONALE INDUSTRIA APPLICAZIONI VISCOSA S.P.A., OF 18 VIA MONTEBELLO, 20121, MILANO, ITALY.

Inventors : (1) PIERLUIGI PERAZZONI, AND (2) LUIGI BILANCINI.

Application No. 593/Cal/79 filed June 7, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

15 Claims. No drawing.

A process for the preparation of a liquid composition adapted to increase the light and heat stability of polyamides, characterised by the fact that it comprises the steps of : (a) dissolving copper metal, optionally in the presence of copper halides, in one or more hydrohalogenogenic aqueous acids (having the general formula  $HX$  wherein  $X$  is halogen) and heating the resulting mixture to a temperature comprised between 80 and 160°C while eliminating by distillation a part of the water present and/or formed to maintain the acid at a high concentration during its reaction with the copper; (b) adding a compound (B) which comprises compounds miscible with water such as caprolactam, acetone, the alcohols such as methyl and ethyl alcohol, ethylene glycol, dioxane, furane individually or in mixtures in an amount sufficient to prevent precipitation at a temperature of 60°C to the complex

[  $CU$   $XX_1$  ]  $(-)$   $H^{(+)}$  (2)

wherein  $X$  and  $X_1$ , equal to or different from one another represent a halogen atom formed in step (a) or to form a clean aqueous solution.

(Compl. Specn. 29 Pages. Drg. Nil.)

CLASS 172D, &amp; 8

150883.

Int. Cl. D 01 h 7/62.

AN APPARATUS FOR LUBRICATING A RING TRAVELLER ON A SPINNING OR TWISTING RING OF A RING SPINNING OR RING TWISTING FRAME.

Applicants : BRACKER AG., OF OBERMATTSTRASSE 65, 8330 PRAFFIKON, SWITZERLAND.

Inventor : EMIL STUTZ.

Application No. 817/Cal/79 filed August 7, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

8 Claims.

An apparatus for lubricating a ring traveller on a spinning or twisting ring of a ring spinning or ring twisting frame, comprising a store containing a lubricant and at least one lubricant outlet opening connected to said store, characterised in that said at least one lubricant outlet opening, 34, 34', 34'', 56, 65, 70) being spaced apart from the contact surface (36) between the ring traveller (18, 48) and the spinning or twisting ring (12, 12', 12'', 46) in the direction of flow of the air current (26) which occurs during spinning or twisting; said spinning or twisting ring (12, 12', 12'', 46) upon which said ring traveller (18, 48) is arranged being shaped to provide an underpressure zone facing said lubricant store (24, 24', 24'', 54) a distance away therefrom; and said at least one lubricant outlet being arranged in said underpressure zone.

(Compl. Specn. 11 Pages. Drg. 2 Sheets.)

CLASS 35E.

150884.

Int. Cl. C 04 b 35/02, 35/10, 35/46, 35/48.

MATERIAL FOR PRODUCING PYROMETRIC REFRAC-TORY COMPONENTS, PYROMETRIC REFRAC-TORY COMPONENTS, AND PROCESS FOR PRODUC-ING SAME.

Applicants : VOSTOCHNY NAUCHNO-ISSLEDOVATEL-SKY I PROEKTNY INSTITUT OGNEUPORNOI PROMY-SHLENNOSTI OF ULITSA GENERALSKAYA, 3, SVERD-LOVSK, USSR.

Inventors : (1) NOVELLA VLADIMIROVNA SEMKINA AND (2) GALINA SERGEEVNA BOKACH.

Application No. 185/Cal/79 filed February 28, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

3 Claims. No drawing

A process for producing pyrometric refractory components comprising mixing the finely dispersed ingredients in the following ration, % by weight :

alumina	65 to 83
titanium dioxide	6 to 10
zirconium dioxide	11 to 25,

a plasticizing additive such as paraffin is introduced into the resulting mixture, the components are moulded and subjected to initial firing at a temperature of 1,200 to 1,300°C, aimed at complete removal of the plasticizing additive and partial strengthening of the components, then to final firing at a temperature of 1,650 to 1,720°C, aimed at imparting the required strength thereto.

(Compl. Specn. 14 Pages. Drg. Nil.)

CLASS 126D.

150885.

Int. Cl. G 01 r 15/00, 19/26.

A DEVICE FOR POTENTIAL-FREE MEASUREMENT OF CURRENTS OR VOLTAGES IN HIGH-TENSION IN-STALLATIONS.

Applicants : LICENTIA PATENT-VERWALTUNGS-G.M.B.H. OF D-6000 FRANKFURT/MAIN, THEODOR-STERN-KAI 1, FEDERAL REPUBLIC OF GERMANY.

Inventor : DIPLOM-INGENIEUR ALFONS SCHRA-DER.

Application No. 363/Cal/79, filed April 12, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

3 Claims.

A device for potential-free measurement of currents or voltages in high-tension installations, having a transformer at a high voltage potential which picks up the magnitude to be measured, and having an optical transmitter whereby the measurement information is passed from a high to low voltage potential, the said transformer and transmitter being fed from an auxiliary power source, in the form of a battery which is charged while the unit is in operation.

(Compl. Specn. 6 Pages. Drg. 1 Sheet.)

CLASS 63I &amp; 206 D.

150886.

Int. Cl. H 02 h 11/00.

IMPROVEMENTS IN OR RELATING TO ANGULAR POSITION SIGNAL GENERATORS FOR USING ENGINE TIMING CONTROL SYSTEMS.

Applicants : THE LUCAS ELECTRICAL COMPANY LIMITED, OF WELL STREET, BIRMINGHAM, ENGLAND.

Inventors : (1) PAUL MICHAEL McCARTHY, (2) DUNGAN BARRY HODGSON, (3) ANDREW PETER IVES, (4) JOHN HOWARD MOORE.

Application No. 783/De1/80 filed October 28, 1980.

Convention date 21st May, 1974 (22535/74), 8th Oct., 1974 (43482/74), 8th Oct., 1974 (43481/74), 20th Aug., 1974 (36548/74), 4th June, 1974 (25274/74) U.K.

Divition of Application No. 995/Cal/75 filed 19th May, 1975.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Delhi Branch.

14 Claims.

An angular position signal generator for use in an engine timing control system, comprising a rotor, a stator, the rotor having thereon a set of salient magnetic poles all of the same polarity and arranged circumferentially at unequal angular intervals around the rotor and the stator having a set of salient magnetic poles arranged circumferentially at the same unequal angular intervals so that in at least one position of the rotor each of the poles on the rotor is aligned with a corresponding one of the poles on the stator and in at least two other positions of the rotor a proportion (less than unity) of the poles on the rotor will be aligned with poles on the stator so that when the rotor is rotating relative to the stator there will be a flow of flux between the rotor and the stator in said at least one position and a lesser flow of flux there between in each of said at least two other positions, and means for producing an electrical output signal varying in accordance with the flow of flux between the rotor and the stator.

(Compl. Specn. 33 Pages. Drg. 6 Sheets.)

CLASS 185 A&D 150887.  
Int. Cl. A 23 f 3/04.

**IMPROVED TEA PROCESSING (C.T.C.) MACHINES.**

Applicants : SAMUEL OSBORN (INDIA) LTD., (NOW KNOWN AS EUREKA FORBES LIMITED), OF "JAIN-KUNJ", 1, GORAGACHA ROAD (OFF HIDE ROAD), CALCUTTA-700 043, INDIA.

Inventor : BIMALENDU SEKHAR SENGUPTA.

Application No. 819/Cal/80 filed July 17, 1980.

Complete Specification left 28 April, 1981.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

6 Claims.

An improved C.T.C. machine comprising a frame-work fitted on pedestals and adapted to hold at least two segment rollers mounted in housings or blocks clamped to said frame-work and wherein the main drive drives the input shaft of a gear box having at least two output shaft adapted to rotate in opposite directions at different speeds and the rollers being coupled to said output shafts through telescopic propeller shaft assemblies with universal joints and couplings.

(Compl. Specn. 12 Pages. Drg. 1 Sheet.)

CLASS 150G. 150888.  
Int. Cl. F 16 d 1/06.

**AN ASSEMBLY OF UNIVERSAL JOINT MEMBER AND A SHAFT AND A METHOD OF MAKING THE SAME.**

Applicants : GKN TRANSMISSIONS LIMITED, OF CHESTER ROAD, ERDINGTON, BIRMINGHAM B23 0RB WEST MIDLANDS, ENGLAND.

Inventors : (1) B. J. PALMER AND (2) L. G. FISHER  
Application No. 153/Del/81 filed March 18, 1981.

Convention date 15th February, 1977 (06354/77) U.K.

Divition of Application No. 922/Cal/77 filed 20th June, 1977.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Delhi Branch.

8 Claims.

A method of making an assembly of a universal joint member and a shaft formed of fibre reinforced synthetic resin material, said method including : providing a connecting member of a material capable of being welded to the universal joint member and establishing an adhesive connection between the shaft and connecting member by incorporating the connecting member in the shaft during manufacture thereof so that the synthetic resin material of the shaft adheres to the connecting member; and subsequently welding the connecting member to the universal joint member.

(Compl. Specn. 13 pages. Drg. 1 Sheet.)

CLASS 10F. 150889.

Int. Cl. F 41 g 7/00.

**SUB-CALIBRE ARROW-SHAPED MISSILE HAVING A DRAG-STABILISING REAR PART.**

Applicants : RHEINMETAL GMBH, OF 4 DUSSELDORF, ULMENSTRASSE 125, WEST GERMANY.

Inventors : (1) JURGEN LEEKER, (2) HANSJORG BECKER, AND (3) RUDOLF ROMBACH.

Application No. 962/Cal/78 filed September 1, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

7 Claims.

Sub-calibre arrow-shaped missile having a drag stabilising rear part of larger diameter than the missile, particularly range limiting missile of the type as defined hereinbefore characterized by at least two bores arranged in the rear part outside the missile diameter.

(Compl. Specn. 10 Pages. Drg. 1 Sheet.)

CLASS 11C & 83A<sub>3</sub>. 150890.

Int. Cl. A 01 k 67/00.

**A NEW SYSTEM FOR THE PRODUCTION OF MARINE FOOD.**

Applicant & Inventor : VERNON LOUIS KIPPING, OF 540 MELROSE AVENUE, SAN FRANCISCO, CALIFORNIA 94127, U.S.A.

Application No. 1165/Cal/78, filed October 26, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

7 Claims.

A system for production of marine food comprising an open platform capable of containing materials to support flora and fauna, first means located totally below the surface of the water for maintaining said platform submerged at a selected depth in an open body of water within the euphotic zone so that said platform is not subjected to wave action on the surface and second means for supplying nutrients to said platform over an extended period of time, whereby the occurrence of phytoplankton and plankton in the vicinity of said platform is increased and bloom of zooplankton is increased.

(Compl. Specn. 12 Pages. Drg. 2 Sheets.)

CLASS 155D & 172F. 150891.  
Int. Cl. D 02 g 3/00.

**IMPROVEMENTS IN COMPOSITE YARNS HAVING CENTRE CORE AND A METHOD OF MANUFACTURING SAID YARN.**

Applicants : THE BOBTEX CORPORATION LIMITED, OF 115, MONTPELLIER BOULEVARD, MONTREAL, QUEBEC, CANADA.

Inventors : (1) ANDREW JOHN BOBKOWICZ, AND (2) JOSEF MILAN SLANIK.

Application No. 1182/Cal/78 filed November 1, 1978.  
Convention date November 3, 1977 (45726/77) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

14 Claims. No drawing.

A composite yarn having a centre core comprised of a carrier material formed of one or more filaments selected from the group consisting of polyester or glass material, a binding material, and an outer yarn component adhered to said centre core through said binding material said yarn component being comprised of staple fibres, characterised in that said binding material comprises a polymeric alloy having as a first component thereof a polymeric material being a thermoplastic material and as a second component thereof a vinyl acetate polymeric material, said polymeric material comprising between 20% to 70% of said binding material, said vinyl acetate polymeric material having between 20% to 28% vinyl acetate content.

(Compl. Specn. 15 Pages. Drg. Nil.)

CLASS 116G. 150892.

Int. Cl. B 65 d 19/00.

A WORK TRANSFER MACHINE INCLUDING LOCATING AND CLAMPING MECHANISM.

Applicants : THE CROSS COMPANY, OF 17801—14 MILE ROAD, FRASER, MICHIGAN 48026, UNITED STATES OF AMERICA.

Inventor : RALPH EMERSON CROSS.

Application No. 1176/Cal/78, filed November 4, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

8 Claims.

A work transfer machine including locating and clamping mechanism for use in combination therewith comprising : a supporting base, mechanism including a longitudinally extending shaft slidably journaled in said base for moving a work carrying pallet vertically onto and from said base, a plurality of V-blocks secured to said base and adapted to receive said pallet so as to longitudinally and transversely position said pallet with respect to said base and to support said pallet thereon, a rack provided on said longitudinal shaft, a transverse shaft rotatably journaled within said base, a pinion centrally disposed on said transverse shaft and engaging said rack on said longitudinal shaft so as to cause rotation of said transverse shaft in response to sliding motion of said longitudinal shaft, two more pinions disposed one on each of the opposite ends of said transverse shaft, two longitudinal racks slidably mounted on opposite sides of the said base and engaging respective pinions on the transverse shaft so as to cause engaging respective pinions on the transverse shaft so as to cause a sliding movement thereof in response to rotation of said transverse shaft, first and second pairs of clamping members slidably journaled within said base for vertical movement adjacent the inner sides of respective first and second longitudinal racks, each of said clamping members having a first toggle arm pivotally secured to said clamping members, a second toggle arm pivotally secured to said base, said first and second toggle arms being pivotally interconnected, first and second members near opposite ends of each of said first and second racks, each of said members having a longitudinally extending bore therein, a plunger slidably disposed within said bore and means urging said plunger out of said bore, each of said plungers being so positioned as to engage said toggle arms in response to sliding movement of said first and second racks in a first direction to cause said clamping members to move into clamping engagement with said pallet, and projection adjacent opposite ends of each of said racks adapted to engage said toggle arms in response to movement of said racks in a second direction to cause said clamping members to move out of engagement with said pallet.

(Compl. Specn. 24 Pages. Drg. 4 Sheets.)

CLASS 126A.

150893.

Int. Cl. G 01 r 5/00.

A CIRCUIT ATTACHMENT FOR IMPROVED SEMICONDUCTOR TYPE TESTING AND RESISTIVITY MEASUREMENT USING CONVENTIONAL FOUR-PROBE SEMICONDUCTOR RESISTIVITY MEASURING INSTRUMENT.

Applicant & Inventor : SRI SUNANDA DHAR, C/O SRI SUSANTA SEN, 15, R. K. GHOSHAL ROAD, CALCUTTA-700042, INDIA.

Application No. 104/Cal/79 filed February 2, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

8 Claims.

A circuit arrangement for attachment with a conventional four-probe resistivity measuring instrument for the successive determinations of the resistivity and the conductivity type of a semiconductor sample, in which, the test sample is placed below the probes making electrical contacts with the same and the circuit is electrically connected to the probes in such a manner that when a suitable dc current from a potential divider is fed through a current limiting resistor to a single-pole-two-way switch, the current in one setting of the switch passes through a precision resistance to the first probe, traverse through the sample and leaves the sample through the fourth probe to complete its path while in the other setting of the switch, the current directly enters the sample through the second probe and leaves through the fourth probe and a voltage selector switch provided in the circuit, in the first setting of the two-way switch, connects the voltage developed across the precision resistance and that across the second and the third probes in succession thereby enabling the resistivity measurement of the sample and in the second setting of the two-way switch, connects the dc voltage developed due to the imbalance in a four-arm resistance bridge formed over the sample and the polarity of the same dc voltage gives the conductivity type of the sample.

(Compl. Specn. 13 Pages. Drg. 1 Sheet.)

CLASS 172F

150894.

Int. Cl. D02g 3/00, D02g 1/00.

METHOD AND APPARATUS FOR PRODUCING A BOUND YARN.

Applicants : SCHUBERT & SALZER MASCHINENFA-BRIK AKTIENGESELLSCHAFT, OF FRIEDRICH-EBERT-STRASSSE 84, 8070 INGOLSTADT, WEST GERMANY.

Inventor : ERICH BOCK.

Application No. 115/Cal/79 filed February 7, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

8 Claims.

A method of producing a bound yarn which consists of a substantially untwisted sliver round which a binding thread is helically wound, wherein the delivered sliver undergoing false twisting prior to this binding action is introduced, together with the binding thread, into the hollow spindle of a binding device, which comprises a binding thread bobbin, and in which the bound yarn is drawn out of the binding device, characterised in that initially only the sliver is introduced, in false-twisted condition, into the hollow spindle of the binding device, is then guided laterally out of this hollow spindle and led past the binding thread bobbin, and after this is guided back into the hollow spindle, whereupon the sliver and the binding thread, which has now been fed to the sliver, pass through the hollow spindle in a direction opposite to the first direction of travel of the sliver and, as bound yarn and subject to deflection, are guided laterally out of the binding device, and are drawn off, the binding thread being wrapped twice round the sliver on the occasion of each rotation of the binding organ.

(Compl. Specn. 22 Pages. Drg. 3 Sheets.)

## CLASS 68E

150895.

Int. Cl. G05F 1/08.

A LIGHTING SYSTEM COMPRISING A PLURALITY OF LAMPS HAVING A MONITORING CIRCUIT.

Applicants : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : (1) HELMUT GLASER AND (2) LUDWIG SCHICK.

Application No. 454/Cal/79 filed May 3, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

## 12 Claims.

A lighting system comprising a plurality of lamps having a monitoring circuit supplied via secondary windings of current transformers having primary windings connected and energised in series, the monitoring circuit including : first instantaneous value storage means, for receiving a measure of the voltage through the said series-connected primary windings; second instantaneous value storage means, for receiving a measure of the voltage supplying the said series-connected primary windings; extreme value detecting means for producing an indication in response to an extreme value of the current through the said series-connected primary windings, the detecting means being connected with the first and second storage means for causing them to supply briefly to respective outputs thereof their stored instantaneous values in response to such an indication, subtracting means for providing on an output a difference signal representing the difference between a first signal derived from the output of the first storage means and a signal derived from the output of the second storage means; dividing means for providing on an output a signal representing the ratio of a signal derived from the output of the subtracting means and a second signal derived from the output of the first storage means; and indicating means connected with an output of the dividing means.

(Compl. Specn. 14 Pages. Drg. 3 Sheets.)

## CLASS 185C

150896.

Int. Cl. B03b 3/24, B03C 7/08.

MACHINE FOR SEPARATION OF STALKS FROM TEA LEAVES.

Applicant & Inventor : CHONG MIN. HO., OF MAKUM JUNCTION, P.O. & T.O. ASSAM, INDIA.

Application No. 952/Cal/79 filed September 12, 1979.

Complete Specification left 12th December, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

## 12 Claims.

A machine for separation of tea leaves from stalks including a hopper, a jigger, a conveyor and an electrostatic separation means, wherein said hopper being placed above and said conveyor being placed below the plane of said jigger at either end thereof and said conveyor communicating said jigger, both of which being inclined in opposite directions, with said separation means provided by a revolving plastic roller or the like materials, make to contact with frictional fibre material which will produce electrostatic current.

(Compl. Specn. 14 Pages. Drg. 1 Sheet.)

## CLASS 107G &amp; 206E

150897.

Int. Cl. B60r 18/00.

MOTOR VEHICLE ELECTRICAL SYSTEM.

Applicants : LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM B19 2XF, ENGLAND.

Inventor : JAMES MITCHELL McCULLOCH.

Application No. 1336/Cal/79 filed December 22, 1979.

Convention date 22nd December, 1978 (49766/78) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

## 6 Claims.

An automotive vehicle electrical system including a transmitter device which is sensitive to the states of a plurality of control switches to produce a sequence of digital words each containing an address code and a command code, a plurality of receiver devices distributed around the vehicle and each controlling a plurality of loads, each receiver including address code recognition means and operating to control the associated loads in accordance with the command code included in the same word as its address code, the transmitter being such that each word of the digital sequence contains in addition to the address code and the command code, a repetition of one code and the inverse of the other code, each receiver including code checking means for checking that each code is consistent with its repetition or inverse.

(Compl. Specn. 23 Pages. Drg. 5 Sheets.)

## CLASS 112F &amp; 144E

150898.

Int. Cl. B60q 1/30, B60r 13/00, C09d, 3/00.

A PAINT FOR USE IN REFLECTOR PLATES.

Applicants : THE DIRECTOR, BUREAU OF POLICE RESEARCH & DEVELOPMENT, B-1688, CURZON ROAD, NEW DELHI, AND THE DIRECTOR, INSTITUTE OF CRIMINOLOGY & FORENSIC SCIENCE, NEW DELHI, INDIA.

Inventors : (1) PRANABES CHANDRA MAITI. (2) MAZHUVANCHERY PARAMBATH MISON MATHEW.

Application No. 751/Del/80, filed October 14, 1980.

Division of Application No. 367/Del/78, filed 16th May, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Delhi Branch.

## 7 Claims. No drawings.

A paint for use in reflector plates consisting of 5 to 25 parts by weight of polymethacrylic acid, at least 3.0 parts by weight of a homogenizer such as a polyalcohol, at least 0.5 parts by weight of a protective agent such as zinc oxide, at least 0.5 parts by weight of a stabilizer such as barium hydroxide and 100 parts by weight of a solvent, such as water.

(Compl. Specn. 6 Pages. Drg. Nil.)

## CLASS 139C

150899.

Int. Cl. C01b 7/06.

A METHOD FOR GENERATING CHLORINE BY ELECTROLYSIS OF AN AQUEOUS SOLUTION OF HYDROGEN CHLORINE.

Applicants : GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SCHENECTADY 5, NEW YORK, UNITED STATES OF AMERICA.

Inventors : (1) ANTHONY BASIL LACONTI, (2) RUSSEL MASON DEMPSEY AND (3) THOMAS GEORGE COKER.

Application No. 1200/Cal/78 filed November 6, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

## 18 Claims.

A method for generating chlorine by electrolysis of an aqueous solution of a hydrogen chloride between anode and cathode electrodes separated by an ion permeable membrane, wherein at least one of said electrodes is gas permeable and comprises an electrically conducting platinum group metal catalyst as herein described which is in direct contact with the membrane to form a unitary membrane cum electrode structure therewith at which a gaseous chlorine of the electrolysis is evolved.

(Compl. Specn. 25 Pages. Drg. 1 Sheet.)

**CLASS 126A,D & 206E** 150900.

Int. Cl. H01L 19/00.

INTEGRATED CIRCUIT CHIP HAVING LOGIC FUNCTION CIRCUITRY FOR PERFORMING A FUNCTION IN A DATA PROCESSING SYSTEM.

Applicants : BURROUGHS CORPORATION, OF BURROUGHS PLACE, DETROIT, MICHIGAN 48232, UNITED STATES OF AMERICA.

Inventors : (1) RAYMOND CHEN-HO YUEN, (2) MARK ALPHONSO MENEZES, AND (3) HERBERT STOPPER.

Application No. 1258/Cal/78, filed November 21, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

16 Claims.

An integrated circuit chip having logic function circuitry for performing a function in a data processing system, having a signature correlated to its logic function circuitry, having a class code means encoded thereon which in response to signals applied from an external source will generate a pattern of binary signals identifying the type of chip involved, and further having a plurality of input and output means for connecting said chip to external devices, comprising, fault sensing and test circuit connected to a selected one of said output means, said sensing and testing circuit including, means connected to said input means and said selected output means for sensing a fault at said input means and generating a signal at said selected output means; means connected to said output means and said selected output means for sensing a fault at the unselected output means and generating a signal at said selected output means; means connected to said class code means and to said selected output means for determining the class of chip containing said fault sensing and test circuitry and for generating a signal at said selected output means when the proper class of chip is selected; and means connected to said logic function circuitry and to said selected output means responsive to signals applied to said selected output means for recognizing the signature of said chip thus detecting any fault in the logic function circuitry of said chip.

(Compl. Specn. 39 Pages. Drg. 5 Sheets.)

**CLASS 93** 150901.

Int. Cl. C04b 5/02.

#### APPARATUS FOR GRANULATING MOLTEN SLAG.

Applicants : (1) VSESJUZNY NAUCHNO-ISSLEDOVATELSKY INSTITUT METALLURGICHESKOI TEPLOTEKHNIKI, OF ULITSA STUDENCHESKAYA, 16, SVERDLOVSK, USSR AND (2) GOSUDARSTVENNY SOJUZNY INSTITUT PO PROEKTIROVANIU METALLURGICHESKIH ZYVODOV, OF PROSPEKT MIRA, 101, MOSCOW, USSR.

Inventors : (1) MIKHAIL ALEXEEVICH SHARANOV, (2) LIK ANVAROVICH ZAINULLIN, (3) FELIX YANOVICH OLGINSKY, (4) IVAN IVANOVICH SCHERBAKOV, (5) SERAFIM VASILIEVICH KOLPAKOV, AND (6) LEONID IVANOVICH TEDER.

Application No. 1334/Cal/78 filed December 15, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

4 Claims.

An apparatus for granulating molten slag comprising a device for breaking up said molten slag by water, a settling bin for holding granulated slag and water being connected to said device, an elevator with perforated buckets mounted in said settling bin for discharging therefrom said granulated slag, pulley shafts of said elevator being disposed above the level of water in said settling bin, one of said pulleys, the head one, being placed above the other one, the tail one in the direction of the elevator movement, a device for drying said granulated slag sited at the place of discharge of said granulated slag from said settling bin. Wherein the said device for breaking

up molten slag consisting of puddle wheel with puddle end curved in the direction of rotation and endured inside a scroll for picking up water from the surface of the settling bin and project it along the scroll as a jet thereby breaking the molten slag falling from a launder situated above the said puddle wheel.

(Compl. Specn. 12 Pages. Drg. 1 Sheet.)

**CLASS 144E<sub>2</sub>**

150902.

Int. Cl. 03C 17/00, C27C 13/00, D21h 1/10.

#### PROCESS FOR THE METALLIZATION OF A SUBSTRATE EMPLOYING A REUSABLE TRANSFER AGENT.

Applicants : EUROGRAPHICSHOLDING, N.V., OF HANDELSKADE NO. 8, P.O. BOX 812, WILLENSTAD, CURACAO, NETHERLANDS ANTILLES.

Inventor : ENRIQUE VILAPRINYO OLIVA.

Application No. 109/Cal/79 filed February 5, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

11 Claims.

A process for the metallization of a substrate employing a reusable transfer agent comprising the steps of; depositing on the transfer agent a film of metal particles of the order of magnitude of substantially less than 1000 Angstroms in thickness; coating a portion of at least one of said substrate and said metallized transfer agent with varnish; laminating said substrate and said transfer agent together before said varnish is cured so that said metal particles are embedded in said varnish; curing said varnish; separating said transfer agent from said substrate, whereupon said substrate is provided with a specular metallic finish; and reusing said transfer agent in the metallization process.

(Compl. Specn. 17 Pages. Drg. 1 Sheet.)

**CLASS 53C**

150903.

Int. Cl. B62K 17/00.

#### CHAINLESS DIRECT DRIVE VELOCIPEDES.

Applicants & Inventors : PROF. SUDHIR KUMAR DHAR, OF LA VILLA ROUGE, J. C. MALLIK ROAD, P.O. DHANBAD 826001, BIHAR, INDIA AND SUBHAS CHANDRA SARKAR, C/O M/S INDO-GERMAN INDUSTRIES, 1, S. B. GORAI ROAD, ASANSOL 713301, WEST BENGAL, INDIA.

Application No. 129/Cal/79 filed February 13, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

7 Claims.

A chainless direct drive velocipede characterised in that the shaft of the driving cranks of the velocipede is adapted to comprise the rear wheel axle, and free wheel mechanism is provided with the hub of the rear wheel, said free wheel mechanism being adapted to transmit the motion of the driving cranks to the said rear wheel hub through a coupling provided in between the shaft of said driving cranks and said free wheel mechanism, and also allowing free rotation of said rear wheel.

(Compl. Specn. 11 Pages. Drg. 1 Sheet.)

**CLASS 32E & 40F**

150904.

Int. Cl. C08f 1/00, B01j 1/00.

#### A CONTINUOUS LOW PRESSURE GAS PHASE PROCESS FOR THE PRODUCTION OF SOLID PARTICULATE POLYMERS AND A FLUIDIZED BED POLYMERISATION REACTOR THEREFOR.

Applicants : UNION CARBIDE CORPORATION, OF 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK, 10017, UNITED STATES OF AMERICA.

Inventors : (1) GARY LEIGH BROWN, (2) DAVID FRANKLIN WARNER, AND (3) JAE HWANG BON.

Application No. 381/Cal/79 filed April 17, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

7 Claims.

A continuous low pressure gas phase process for the production of solid particulate polymers during an exothermic polymerization reaction in a vertical uniform diameter fluidized bed reactor which comprises feeding a polymerization catalyst such as hereinbefore described and a gaseous stream containing at least one polymerizable monomer such as hereinbefore described to a fluidized bed of polymer particles in said reactor at a pressure of 50 to 1000 psi, characterized by removing the exothermic heat of reaction by indirect cooling means in said reactor and removing particulate polymer from said reactor, and wherein the mass gas flow rate through the fluidized bed is in the range of from about 1.5 to 10 Gmf based on the minimum free cross-sectional area of the bed.

(Compl. Specn. 38 Pages. Drg. 2 Sheets.)

CLASS 195B 150905.

Int. Cl. F16K 15/18.

**IMPROVEMENTS IN OR RELATING TO INSTALLATION CONTROL VALVES.**

Applicants : MATHER & PLANT LIMITED, OF PARK WORKS, MANCHESTER M10 6BA, ENGLAND.

Inventors : (1) GEDDES ALAN BRAY AND (2) RICHARD JOHN HOLKER.

Application No. 681/Cal/78 filed June 20, 1978.

Convention date 14th July, 1977 (293595/77) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

20 Claims.

An installation control valve comprising a pivotal butterfly valve disc mounted on a spindle with a valve body and operable with a movable stop which in one position abuts the valve disc to retain the valve closed against pressure forces acting thereon, and a retaining mechanism releasably held to resist stop movement and so prevent the valve disc opening, the retaining mechanism being operable under a predetermined condition to permit stop movement from said one position to a second position wherein unequal pressure forces on either side of the valve spindle on one side of the valve disc can cause valve opening.

(Compl. Specn. 14 Pages. Drg. 2 Sheets.)

CLASS 129G 150906.

Int. Cl. B23K 7/02.

**CUTTING MACHINE, IN PARTICULAR FLAME CUTTING MACHINE.**

Applicants : MESSER GRIESHEIM GMBH, OF HANAUER LANDSTR. 330 D-6000 FRANKFURT/MAIN, WEST GERMANY.

Inventors : (1) JURGEN BOJE, AND (2) ECKHARD KOCH.

Application No. 844/Cal/78 filed August 3, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

4 Claims.

A cutting machine, in particular a flame cutting machine, with a tracer which traces photo-electrically the line of a drawing or an edge and which has a lighting cone, characterised in that several oblique bore-holes (11) are provided as bulb sockets in the lighting cone (10), the axes (12) of these bore-holes intersecting symmetry axis (14) of the lighting cone at a point (13), and wherein lens bulbs (16) are fitted into the oblique bore-holes (11) from outside (15).

(Compl. Specn. 7 Pages. Drg. 2 Sheets.)

CLASS 28C & 129Q

150907.

Int. Cl. B23K 7/10.

**MULTI-PURPOSE OXY-FUEL GAS TORCH.**

Applicants : MESSER GRIESHEIM GMBH, OF HANAUER LANDSTR. 330 D-6000 FRANKFURT/MAIN, WEST GERMANY.

Inventors : (1) TRAUGOTT GUTERMANN, (2) KARL BECKER, AND (3) GERHARD SCHAUDER.

Application No. 847/Cal/78 filed August 3, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

5 Claims.

A multi-purpose oxy-fuel torch, consisting of a handle with valves attached to it for regulating the fuel gas and oxygen, a welding or cutting head arranged at the front end of the handle, hose connection sockets at the rear, and at least one flashback arrester arranged in the handle, whereby the flashback arrested (26) can be fitted in a recess (30) in which the valve (14, 16) is mounted.

(Compl. Specn. 7 Pages. Drg. 2 Sheets.)

**OPPOSITION PROCEEDINGS**

An opposition has been entered by Biren Das Gupta to the grant of a patent on application No. 150113 made by Mel Chand Saraoji.

(2)

An opposition entered by Orissa Cement Ltd. to the grant of Patent on application No. 142049 made by Orissa Industries Ltd., notified in the Gazette of India, Part III, Section 2 dated the 17th December, 1977 has been dismissed and a patent on this application will be sealed subject to the amendment of the specification.

(3)

An opposition entered by Belpahar Refractories Ltd. to the grant of a patent on application No. 142049 made by Orissa Industries Ltd. notified in the Gazette of India, Part III, Section 2 dated the 17th December, 1977, has been dismissed and a patent on this application will be sealed subject to the amendment of the specification.

**PATENTS SEALED**

149024 149130 149290 149298 149399 149413 149498 149581

149599 149650 149681 149715 149738 149739 149829 149839

**AMENDMENT PROCEEDINGS UNDER SECTION 57**

Notice is hereby given that Ethicon, Inc., a corporation of the State of New Jersey, United States of America, located at Somerville, New Jersey, United States of America have made an application under section 57 of the Patents Act, 1970 for amendment of specification of their patent applicants No. 139477 "Improved Braided Suture". The amendment are by way of correction to define/describe the invention more clearly. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three (3) months from the date of this notification. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

Notice is hereby given that Gopal Advani, of 84, Theatre Road, Calcutta-700017, West Bengal, India, of Indian Nationality have made an application under section 57 of the patent Act, 1970 for amendment of specification of their patent application No. 145861 for "Improved Water Taps". The

amendments are by way of correction explanation. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 wherein three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

Notice is hereby given that Umeda Electronics Enterprises Laboratory INC., of 2/33, 2-chome, Uehara, Shibuya-ku, Tokyo, Japan, a Japanese Company, have made an application under section 57 of the Patents Act, 1970 for amendment of the drawing of their application for Patent No. 149753 for "Improvements in or relating to electromagnetic meter". The amendments are by way of correction explanation and disclaimer. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said.

#### APPLICATION FOR COMPULSORY LICENCE UNDER SECTION 84 OF THE ACT

Application for Compulsory Licence under Patents Nos. 134949, 134950, 134951, 136137 and 136138 has been made by Harbanshlal Malhotra & Sons Ltd. of No. 12, New C.I.T. Road, Calcutta-700 073.

#### RENEWAL FEES PAID

112382 113465 113466 113557 113602 113799 113811 114024  
119129 119514 119551 119667 119950 119990 120413 121768  
123219 124376 124426 124545 125038 125276 125785 125865  
126176 126192 126813 126960 129553 129644 129856 129926  
130042 130085 130096 130241 130518 132089 132261 132414  
132643 132694 132761 133001 133198 134052 134056 134135  
134313 134393 134525 135352 136832 136910 136985 137215  
137264 137310 137344 137413 137508 137621 137655 137996  
138127 138310 138471 138554 138690 139201 139220 139249  
139288 139804 140182 140223 140253 140276 140880 140918  
141014 141031 141254 141273 141346 141458 141593 141689  
141730 141975 142080 142255 142256 142354 142621 142648  
142838 143212 143256 143280 143416 143604 143616 143675  
143759 143760 143791 143807 144214 144272 144400 144472  
144506 144621 144654 144686 144717 144807 144876 145028  
145168 145188 145293 145446 145465 145517 145580 145882  
145899 145929 145982 146074 146123 146208 146427 146462  
146497 146510 146516 146517 146529 146542 146543 146554  
146755 146794 146875 146911 146954 146971 147056 147159  
147404 147546 147547 147571 147609 147632 147633 147680  
147905 147928 147936 147946 148026 148048 148065 148078  
148092 148140 148142 148234 148465 148468 148540 148579  
148623 148701 148702 148704 148825 148828 148878 148881  
148907 149023 149167 149168 149169 149182 149187 149203  
149240 149250 149256 149260 149261 149318 149328 149360  
149417 149440 149443 149449 149491 149500 149537 149553  
149575 149610 149614 149615 149625 149647 149665

#### CESSATION OF PATENTS

110259 110261 110263 110264 110265 110268 110271 110277  
110279 110292 110297 110300 110303 110316 110325 110331  
126195

#### RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 118252 dated the 23rd October, 1968 made by Stauffer Chemical Company on the 25th March, 1982 and notified in the Gazette of India, Part-III, Section 2 dated the 10th July, 1982 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 126055 dated the 23rd October, 1968 made by Stauffer Chemical Company on the 25th March, 1982 and notified in the Gazette of India, Part-III, Section 2 dated the 10th July, 1982 has been allowed and the said patent restored.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 143529 granted to Umang Kejriwal for an invention relating to "improved grinding media and a method for making the same". The patent ceased on the 17th December, 1981 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 13th November, 1982.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 8th March 1983 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the basis his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 144944 granted to Shamkant Giridhar Bonde and Arvind Vasant Chaudhari for an invention relating to "independent and self centering combination chuck". The patent ceased on the 3rd January, 1982 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 20th November, 1982.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 8th March 1983 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 151994. Vadde Fabricators, H. No. 76, Block 5, Municipal Quarters, North Lalguda, Secunderabad (A.P.). "Pressure Cooker". June 17, 1982.

Class. 1. 151947. Ashoka Surgical Works, an Indian Partnership Concern, Mansabia Market, Railway Road, Meerut-250001 (U.P.). "Nail Cutter". 1st June, 1982.

Class. 1. No. 152297. Tarun Sason-A-3, Nizamuddin East, New Delhi-110013, India, an Indian National. "Knife Honing Machine". 17th September, 1982.

Class. 1. No. 152275. Sunil Sethi of A-16, Friends Colony (East), New Delhi, India, an Indian National. "Electric Iron". September 8, 1982.

Class. 1. No. 151944. Ashoka Surgical Works, an Indian Partnership Concern, Mansabia Market, Railway Road, Meerut-250001 (U.P.). "Nail Cutter". 1st June 1982.

Class. 1. No. 152274. Sunil Sethi of A-16, Friends Colony (East), New Delhi, India, an Indian National. "Electric hot platecum oven cum griller". September 8, 1982.

Class. 1. No. 151962. Vishal Industrial Products, a partnership firm of Guru Nanak Nagar, Delhi Road, Meerut-250002, U.P. "Stove plate". June 3, 1982.

Class. 10. No. 152374. Victory Plastic Industries of 2951-220, Tri Nagar, Vishram Nagar, Delhi-110035, an Indian Partnership Concern. "Bond (Gungabi shoe)". October 14, 1982.

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